P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

Test Compound: 1,2-Dibromo-2,4-dicyanobutane **CAS Number:** 35691-65-7

Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Time Report Requested: 16:24:59

Lab: MBA

C Number: C97003B

Lock Date: 03/31/1999

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

Experiment Number: 97003-01 P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Type: 14-DAY **Test Compound:** 1,2-Dibromo-2,4-dicyanobutane **CAS Number:** 35691-65-7 **Route: SKIN APPLICATION** Species/Strain: Rat/F 344/N DAY ON TEST 0 0 0 0 0 0 F 344/N Rat Male *1 7 1 7 1 7 1 7* **VEHICLE CONTROL** 0 0 0 0 0 0 0 0 2 ANIMAL ID Õ 0 0 001 0 0 0 3 0 5 0 *TOTALS **Alimentary System** Liver Cardiovascular System NONE **Endocrine System** NONE **General Body System** NONE **Genital System**

NONE

Hematopoietic System

NONE

Integumentary System

Skin

Musculoskeletal System

NONE

Nervous System

NONE

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

Date Report Requested: 10/19/2014 Time Report Requested: 16:24:59

First Dose M/F: NA / NA

Lab: MBA

BLANK .. Not examined microscopically

1

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Test Type: 14-DAY

Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Time Report Requested: 16:24:59 First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Lab: MBA

F 344/N Rat Male VEHICLE CONTROL

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|-----------------------|-----------------------|-----------------------|-----------|-----------|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 0 0 0 1 | 0 0 0 0 2 | 0 0 0 0 3 | 0 0 0 0 4 | 0 0 0 0 5 |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Lab: MBA

First Dose M/F: NA / NA

Date Report Requested: 10/19/2014 Time Report Requested: 16:24:59

F 344/N Rat Male 37.5 MG/KG DAY ON TEST 0 0 0 0 0 0 *1 7 1 7 1 7 1 7* 0 0 0 0 0 0 0 7 ANIMAL ID Ō 0 006 0 0 0 0 1 0

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin + + + + + 5

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: 14-DAY

Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Time Report Requested: 16:24:59

Date Report Requested: 10/19/2014

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 37.5 MG/KG

| DAY ON TEST | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 |
|-------------|-------------|-------------|-------------|-------------|-------------|
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| AMIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 |
| | 6 | 7 | 8 | 9 | 0 |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:24:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 75 MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|------------|------------|------------|------------|------------|
| | <i>1 7</i> |
| ANIMAL ID | 000 | 0 0 0 | 0 0 | 000 | 000 |
| | 1 | 1 2 | 1 | 1 | 1 |

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin + + + + +

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:24:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 75 MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|-----------|-----------------------|-----------------------|-----------------------|-----------|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 0 0 1 1 | 0 0 0 1 2 | 0 0 0 1 3 | 0 0 0 1 4 | 0 0 0 1 5 |

*TOTALS

5

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ + + + + +

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

 $^{^{\}star}\,$.. Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY

F 344/N Rat Male

MG/KG

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

Route: SKIN APPLICATION

CAS Number: 35691-65-7

Species/Strain: Rat/F 344/N

DAY ON TEST

0 0 0 0 0 0 *1 7 1 7 1 7 1 7* 0 0 0 0 0 0 0 1 7 ANIMAL ID Õ 0 0 1 6 0 0 2 1 8

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 8

5

Date Report Requested: 10/19/2014 Time Report Requested: 16:24:59

First Dose M/F: NA / NA

Lab: MBA

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:24:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 150 MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 0 0 1 6 | 0 0 0 1 7 | 0 0 0 1 8 | 0 0 0 1 9 | 0 0 0 2 0 |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Test Type: 14-DAY

Route: SKIN APPLICATION Species/Strain: Rat/F 344/N P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:24:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 300 MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|-----------------------|-----------|-----------|-----------------------|-----------------------|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 0 0 2 1 | 0 0 0 2 2 | 0 0 0 2 3 | 0 0 0 2 4 | 0 0 0 2 5 |

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin + + + + +

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: 14-DAY

Species/Strain: Rat/F 344/N

Route: SKIN APPLICATION

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:24:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 300 MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|-----------------------|-----------------------|-----------|-----------------------|-----------|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 0 0 2 1 | 0 0 0 2 2 | 0 0 0 2 3 | 0 0 0 2 4 | 0 0 0 2 5 |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Test Type: 14-DAY

Route: SKIN APPLICATION Species/Strain: Rat/F 344/N P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:24:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|-----------|-----------------------|-----------------------|-----------|-------|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 0 0 2 6 | 0 0 0 2 7 | 0 0 0 2 8 | 0 0 0 2 9 | 00030 |

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Spleen 1

Integumentary System

Skin 5

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Route: SKIN APPLICATION

Test Type: 14-DAY

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:24:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male MG/KG

| DAY ON TEST | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 |
|-------------|-------------|-------|--------|--------|-------|
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| AMIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 0 2 6 | 2 | 2 8 | 2 9 | 3 |
| | 6 | 7 | 8 | 9 | 0 |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

END OF MALE DATA

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Test Type: 14-DAY

Route: SKIN APPLICATION Species/Strain: Rat/F 344/N P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:24:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female VEHICLE CONTROL

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|-----------------------|-----------------------|-----------|-----------------------|-----------|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 0 0 3 1 | 0 0 0 3 2 | 0 0 0 3 3 | 0 0 0 3 4 | 0 0 0 3 5 |

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin + + + + + 5

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: 14-DAY

Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:24:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female VEHICLE CONTROL

| DAY ON TEST | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 |
|-------------|-------|--------|-------|-------|-------|
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| AMIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 2 | 3 | 3 | 3 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Test Type: 14-DAY

Route: SKIN APPLICATION Species/Strain: Rat/F 344/N P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Time Report Requested: 16:24:59

Date Report Requested: 10/19/2014

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 37.5 MG/KG

| DAY ON TEST | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 | 0 0 1 |
|-------------|-------|-------|-------|-------|-------|
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| AMINAL ID | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 4 |
| | 6 | 7 | 8 | 9 | 0 |

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin + + + + +

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: 14-DAY

Route: SKIN APPLICATION
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:24:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 37.5 MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|-----------------------|-----------------------|-------|-------|-----------------------|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 0 0 3 6 | 0 0 0 3 7 | 00038 | 00039 | 0 0 0 4 0 |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/19/2014

Test Type: 14-DAY

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Time Report Requested: 16:24:59

First Dose M/F: NA / NA Lab: MBA

Route: SKIN APPLICATION Species/Strain: Rat/F 344/N

| F 3 | 14/N Rat Female |
|-----|-----------------|
| 75 | MG/KG |

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|---|--------|---|---|---|
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| ANIIVIAL ID | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 4 | 4 |
| | 1 | 4 2 | 3 | 4 | 5 |

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin + + + + +

Musculoskeletal System

NONE

Nervous System

NONE

- X ..Lesion present
- I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:24:59

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 4 | 4 |
| | 1 | 2 | 3 | 4 | 5 |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 14-DAY
Route: SKIN APPLICATION

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

- - - - -

CAS Number: 35691-65-7

Time Report Requested: 16:24:59

First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Lab: MBA

F 344/N Rat Female 150 MG/KG

Species/Strain: Rat/F 344/N

DAY ON TEST 0 0 0 0 0 0 *1 7 1 7 1 7* 0 0 0 0 0 0 0 4 7 ANIMAL ID Ō 0 0 5 0 0 4 6 0 0 4 8 4 9

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin + + + + +

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:25:00

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 150 MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|-----------------------|-----------------------|-----------------------|-----------|-------|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 0 0 4 6 | 0 0 0 4 7 | 0 0 0 4 8 | 0 0 0 4 9 | 00050 |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Test Type: 14-DAY

Route: SKIN APPLICATION Species/Strain: Rat/F 344/N P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:25:00

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|-----------------------|-----------------------|-----------------------|-----------|-----------|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 0 0 5 1 | 0 0 0 5 2 | 0 0 0 5 3 | 0 0 0 5 4 | 0 0 0 5 5 |

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin 5

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: 14-DAY

Route: SKIN APPLICATION Species/Strain: Rat/F 344/N P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:25:00

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 300 MG/KG DAY ON TEST 0 0 0 0 0 0 *1 7 1 7 1 7* 0 0 0 0 0 0 5 1 0 0 0 5 2 ANIMAL ID 00055 Õ 0 5 3 0 5

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

5

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Test Type: 14-DAY

Route: SKIN APPLICATION

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:25:00

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 600 MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|-----------------------|-----------------------|-----------|-------|-----------|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 0 0 0 5 6 | 0 0 0 5 7 | 0 0 0 5 8 | 00059 | 0 0 0 6 0 |

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin + + + + + 5

Musculoskeletal System

NONE

Nervous System

NONE

- X .. Lesion present
- I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Route: SKIN APPLICATION Species/Strain: Rat/F 344/N

Test Type: 14-DAY

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 1,2-Dibromo-2,4-dicyanobutane

CAS Number: 35691-65-7

Date Report Requested: 10/19/2014 Time Report Requested: 16:25:00

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 |
|-------------|-------|-----------------------|-----------------------|-------|-----------|
| | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | 00056 | 0 0 0 5 7 | 0 0 0 5 8 | 00059 | 0 0 0 6 0 |

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

** END OF REPORT **

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically